

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) Fuel cell comprising:

-a stack comprising a first electrode~~(14)~~, an electrolytic membrane (4) provided with front and rear faces~~(4a, 4b)~~, and a second electrode~~(16)~~,
-and first and second current collectors ~~(13, 15)~~ integrated in the stack and respectively corresponding to the first and second electrodes~~(14, 16)~~, each current collector comprising a metallic deposit and being provided with a plurality of transverse passages for passage of a fluid,

cell characterized in that the first and second current collectors ~~(13, 15)~~ are respectively arranged on the front and rear faces ~~(4a, 4b)~~ of the electrolytic membrane (4), between the electrolytic membrane (4) and the corresponding electrode~~(14, 16)~~.

2. (Currently Amended) Fuel cell according to claim 1, characterized in that the first and second current collectors ~~(13, 15)~~ are both structured in the form of a grid.

3. (Currently Amended) Fuel cell according to claim 1, characterized in that the first and second current collectors ~~(13, 15)~~ are both structured in the form of a comb.

4. (Currently Amended) Fuel cell according to ~~any one of the claims 1 to 3~~ claim 1, characterized in that the first and second current collectors ~~(13, 15)~~ are porous, the transverse passages being formed by the pores of the current collectors~~(13, 15)~~.

5. (Currently Amended) Fuel cell according to ~~any one of the claims 1 to 3~~claim 1, characterized in that the first and second current collectors ~~(13, 15)~~ each comprise an alternation of porous zones and non-porous zones, the transverse passages being formed by the pores of the porous zones.

6. (Currently Amended) Fuel cell according to ~~any one of the claims 1 to 5~~claim 1, characterized in that the metal of first and second current collectors ~~(13, 15)~~ is chosen from noble metals.